

High Power Activity: NASA's Deep Impact Mission

Decision Making: Critiquing Ideas

ASSESSMENT GUIDE

As students present a case for the feasibility or possibility of mounting an additional camera(s) on the spacecraft, assess the quality of their work as thoroughly and as fairly as you possibly can. The following criteria can be used, along with additions that have been agreed upon in advance.

Statement of Position			
1 Description of the position is not provided or addressed.	2 Description of the position is provided, but not expressed in a manner that is clear and easily understandable.	3 Description of position is provided in clear and understandable manner, but lacks some thoroughness.	4 Description of position is clear, understandable, thorough, and reinforced throughout presentation.
Evidence and Argument			
1 Evidence is not provided.	2 Some evidence is provided, but not explained or shown to be supportive of the chosen position.	3 Evidence is explained, but not used as effectively as possible to support argument for the chosen position.	4 Evidence is explained and used very effectively throughout presentation to support the chosen position.
Main Points and Organization			
1 Main points are not provided.	2 Main points are provided, but not organized.	3 Main points are provided and organized, but sometimes lost in the presentation.	4 Main points are clear, concise, and supported throughout presentation.
Scientific Merit			
1 The position does not provide data that answers fundamental mission questions.	2 The position provides data that only partially answers fundamental mission questions.	3 Position provides data that answers fundamental mission questions, but does not allow for comparison, does not offer ties to existing data, or complements to future projects.	4 Position will provide data that answers mission questions, can be tied to existing data, allows for comparisons, and complements future projects and research.

Technical Merit			
1 Position does not demonstrate a knowledge of instrumentation, and shows no indication of cost-effectiveness or minimization of risk.	2 Position demonstrates a partial knowledge of instrumentation, the costs it carries, and the risk of data loss. No stated or implied potential for added value of data.	3 Position demonstrates knowledge in that instrumentation is shown to be well proven, but represents questionable cost, possible but not overwhelming potential for data loss, and unclear added potential value.	4 Position demonstrates that camera(s) on spacecraft is (are) tested and proven, represents minimal cost and/or risk of data loss, provides for efficient data documentation and posting, and offers added data value.
Visual Aids			
1 Visual aids are not provided.	2 Visual aids are provided, but not illustrative of important concepts.	3 Visual aids are well done and illustrative of important concepts. Aids need to be incorporated more into the presentation to provide reinforcement.	4 Visual aids are well done, reinforce important concepts, and effectively incorporated during presentation for additional emphasis.
Delivery			
1 Group does not appear prepared to speak.	2 Delivery is systematic, but with annoying mannerisms and no eye contact.	3 Delivery is clean and clear, with some eye contact and very few annoyances.	4 Delivery is exceptional and unique, with regular eye contact and no annoyances.
Credibility of Resources			
1 Resources were mostly non-scientific sources, like tabloid newspapers; or all sources were encyclopedias.	2 Some resources were questionable, non-scientific sources; the majority of sources were encyclopedias.	3 Most resources were reliable scientific sources; encyclopedias were used only as first sources for terminology.	4 All resources were reliable scientific sources.

Use this space to create additional scoring criteria.

1	2	3	4
1	2	3	4